

# NEVADA NATIVE SPECIES SITE SURVEY REPORT

rev. WXP-2003-09

SEND TO: NEVADA NATURAL HERITAGE PROGRAM, 1550 East College Parkway, suite 137, Carson City, NV 89706-7921

(775) 687-4245

PLEASE ENTER ALL INFORMATION AVAILABLE TO YOU.  
USE THE BACK FOR COMMENTS IF NECESSARY. PLEASE  
ATTACH OR DRAW A MAP ON BACK.

## OFFICE USE ONLY

Source Code: **N99MOR01NVUS** Map Code: **4011628**  
Element Code: **PDCAC0M211** Occurrence #: **001**  
Copy Sent to: **BLM - Ely; J. Danforth Expert (IND)**

Scientific name (no codes): ***Sclerocactus schlesseri* Heil & Welsh var. *pachypodus* Expert**

Surveyor/Reporter  
(incl. email if any): **G. Round Walker (g\_round\_walker@govmail.state.nv.us)** Phone: ( **555** ) **555-5555 x5555**

Address: **Department of Field Surveys, 1551 E. College Pkwy, suite 146, Carson City NV 89706-7921**

Date of Survey: **14** **09** **2003** County: **White Pine (NV) and Juab (UT)** Collection #: **99-23-728** Museum/Herb.: **NSMC, IND, UNLV, RENO**

LOCATION (including DATUM and precision of any coordinates; please also ATTACH MAP showing population boundaries and routes / areas searched):

**Kern Mountains, Snake Valley drainage, 44.7 road miles east of U.S. Highway 93 on road to Gandy, 4.3 air miles S42°E of Mollytop Mountain summit (see accompanying polygon data in NAD27 degrees, +/- 4.5 m).**

Map Name: **Mollytop Mountain** Field #: **5** T **14N** R **54W** **se** ¼ of **ne** ¼ Sect. **12**  
scale=1: **24,000** Elevation: **6270** to **6320** ft T **14N** R **53W** **sw** ¼ of **nw** ¼ Sect. **7**

Land Manager: **BLM - Ely Field Office; some observed across fence on private land** Size of Area: **12.2 acres**

# of individuals/ramets: **132** if zero, reason: \_\_\_\_\_  
# of colonies/genets: **4** if different, explain: **Variety spreads by rhizomes; 4 major aggregations seen**

Is this a new location record (Yes/No/Unknown)?: **no** a subsequent visit?: **yes** Compared to last visit: **X** more **same** fewer  
Phenologic Stages (plants): **60** % dormant **98** % vegetative **20** % budding **35** % flowering **15** % fruiting **0** % seeding  
Age Structure (all): **2** % senescent **95** % adult/mature **3** % juvenile \_\_\_\_\_ % first-year \_\_\_\_\_ % newborn/seedling  
Site Functions/Uses (animals): \_\_\_\_\_ breeding \_\_\_\_\_ foraging \_\_\_\_\_ wintering \_\_\_\_\_ roosting \_\_\_\_\_ denning \_\_\_\_\_ other

INTERACTIONS (disease, predation, competition, parasitism, symbiosis, pollination, hybridization, dispersal, etc.): **3 dead plants appear to have been flooded; prefers shelter of shrubs; hummingbirds and beetles observed visiting flowers.**

HABITAT DESCRIPTION (community dominants, associates, other rare species, moisture, substrate / soils, aspect / slope, light, air / water temperature, time, weather, etc.): **Grayia spinosa/Artemisia nova shrub vegetation with Pleuraphis jamesii, Krascheninnikovia lanata, Achnatherum hymenoides, Elymus elymoides, Erigeron aphanactis, Sphaeralcea ambigua, cryptogamic soil crust well developed. Astragalus uncialis occurrence 0.6 miles to NW. Dry, sporadically flooded, open silty flats underlain by ashy lacustrine beds. 10:00-11:00 am, cloudless, air about 65 degrees F.**

CURRENT SITE USE / Visible Disturbances and Impacts / Possible Threats: **Open public land lightly grazed except near fence, light recreational use, fenced private land used as equipment yard; road along S edge of population, power line and maintenance road through middle, fence on east side with concentrated livestock trampling on public side, otherwise light livestock trampling; subject to road and fence maintenance, off-road vehicles, livestock trailing, mineral development, and clearing/development on private side.**

Overall Relative Site Quality: \_\_\_\_\_ Excellent **X** Good \_\_\_\_\_ Fair \_\_\_\_\_ Poor (consider condition, viability, and defensibility)

COMMENTS ON QUALITY: **Public-land side of population in excellent condition and easily protected.**

SHOULD/COULD THIS SITE BE PROTECTED? How?: **Yes, because of overall rarity and vulnerability of taxon, by appropriate fencing and/or barrier placement, minerals withdrawal, and best management practices.**

OTHER COMMENTS: **Plants at this site seemed somewhat more robust than average for the taxon; area received heavy rain and some sheet flooding during previous year.**

IDENTIFICATION OF TAXON (Fill in all applicable blanks):

Keyed in reference: **Heil and Porter (1994) revision of *Sclerocactus***

Compared w/photo/drawing in: **(same as above)**

Compared with specimen at: **Nevada State Museum, Carson City (NSMC)**

By another person (include below; name): **J. Danforth Expert**

By personal knowledge (yes/no): **Yes, from previous surveys of taxon**

Other: \_\_\_\_\_

PHOTOGRAPHS (check all applicable):

Subject: \_\_\_\_\_ Type: \_\_\_\_\_  
**X** Diagnostic feature **X** Slide  
**X** Whole organism(s) \_\_\_\_\_ Print  
**X** Habitat or site **X** Digital  
Other: \_\_\_\_\_

May we obtain copies at our cost? **yes**

OTHER KNOWLEDGEABLE PEOPLE (Name / Address / Phone / E-mail): **M. Hay Bailer (field assistant), same address and phone as above (M\_Hay\_Bailer@govmail.state.nv.us); J. Danforth Expert, 145 Cherry Street, Summerville IN 99504, (555) 555-5555 x5555 (dannyx@big.net)**